

4.2.G. 0604000307 (Piney River).

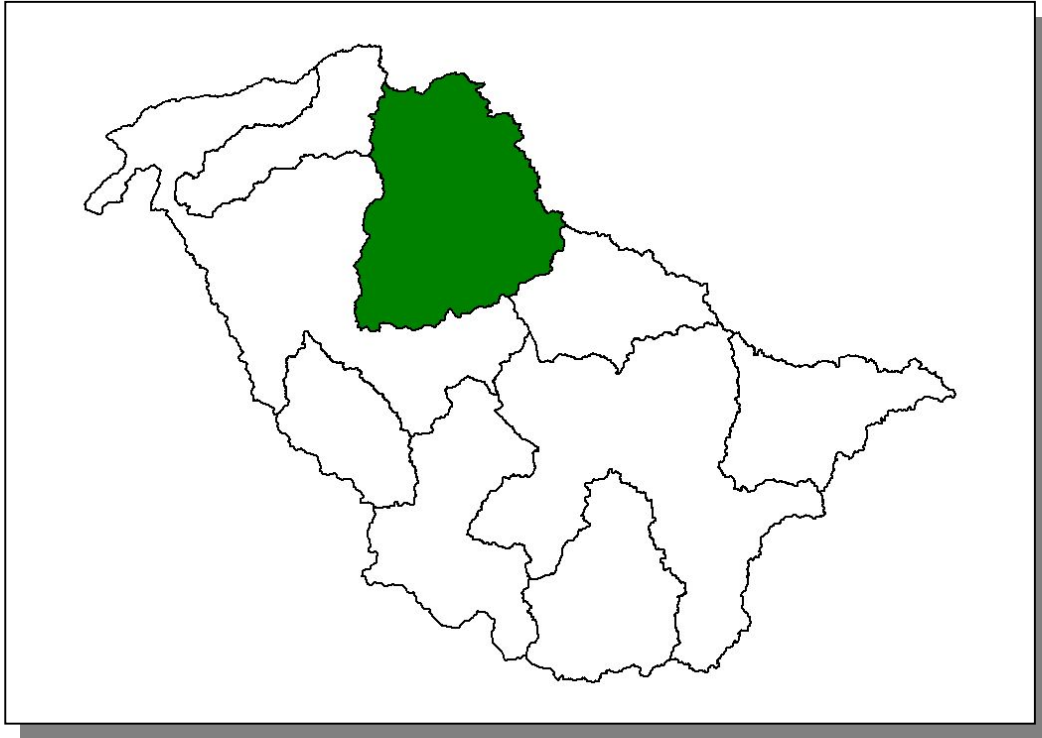


Figure 4-69. Location of Subwatershed 0604000307. All Lower Duck HUC-10 subwatershed boundaries are shown for reference.

4.2.G.i. General Description.

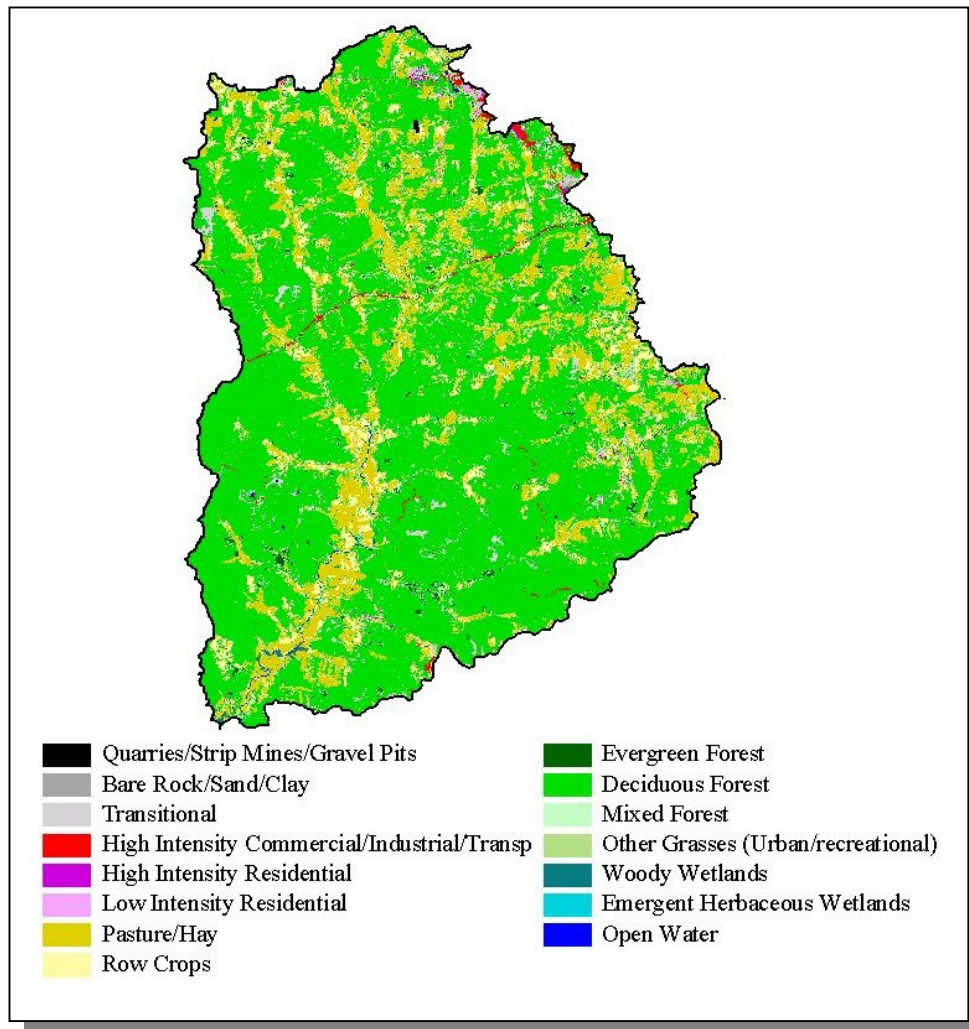


Figure 4-70. Illustration of Land Use Distribution in Subwatershed 0604000307.

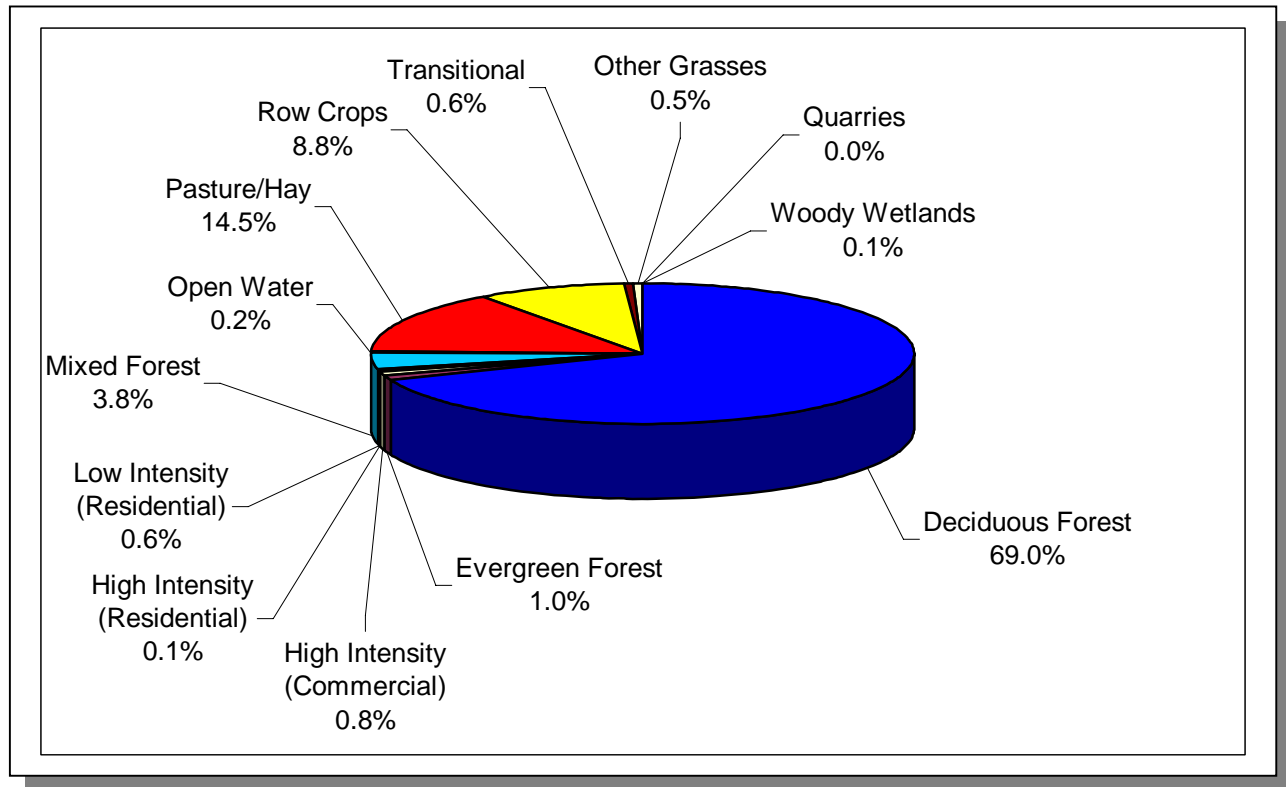


Figure 4-71. Land Use Distribution in Subwatershed 0604000307. More information is provided in Appendix IV.

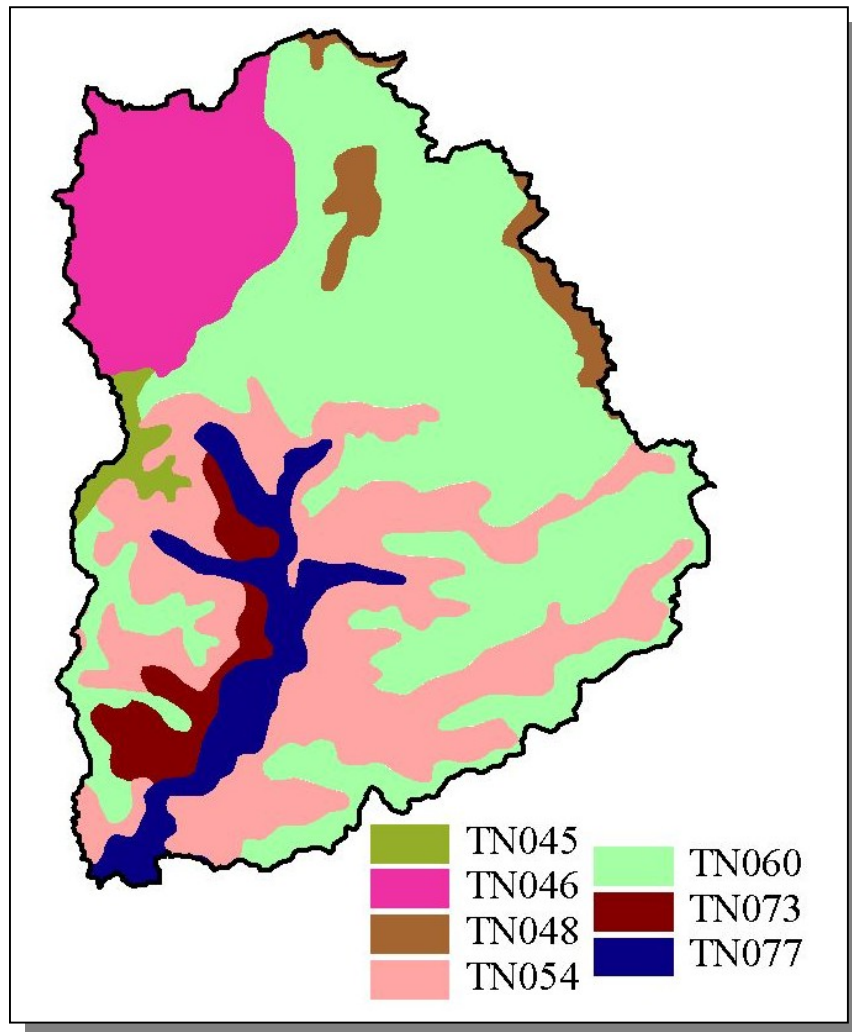


Figure 4-72. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0604000307.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGI C GROUP	PERMEABILITY (in/hr)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN045	0.00	B	1.95	5.45	Loam	0.35
TN046	0.00	B	1.98	5.09	Silty Loam	0.38
TN048	8.00	C	1.38	5.06	Silty Loam	0.42
TN054	0.00	C	3.04	4.84	Loam	0.32
TN060	5.00	B	1.30	5.32	Silty Loam	0.39
TN073	0.00	B	2.97	5.21	Loam	0.34
TN077	4.00	C	2.16	5.03	Loam	0.34

Table 4-39. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0604000307. More information is provided in Appendix IV.

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-1997)
	1990	1997	2000		1990	1997	2000	
Dickson	35,061	40,937	43,156	15.79	5,536	6,464	6,814	23.1
Hickman	16,754	19,926	22,295	23.6	3,954	4,702	5,261	33.1
Humphreys	15,795	16,839	17,929	0.16	25	26	28	12.0
Totals	67,610	77,702	83,380		9,515	11,192	12,103	27.2

Table 4-40. Population Estimates in Subwatershed 0604000307.

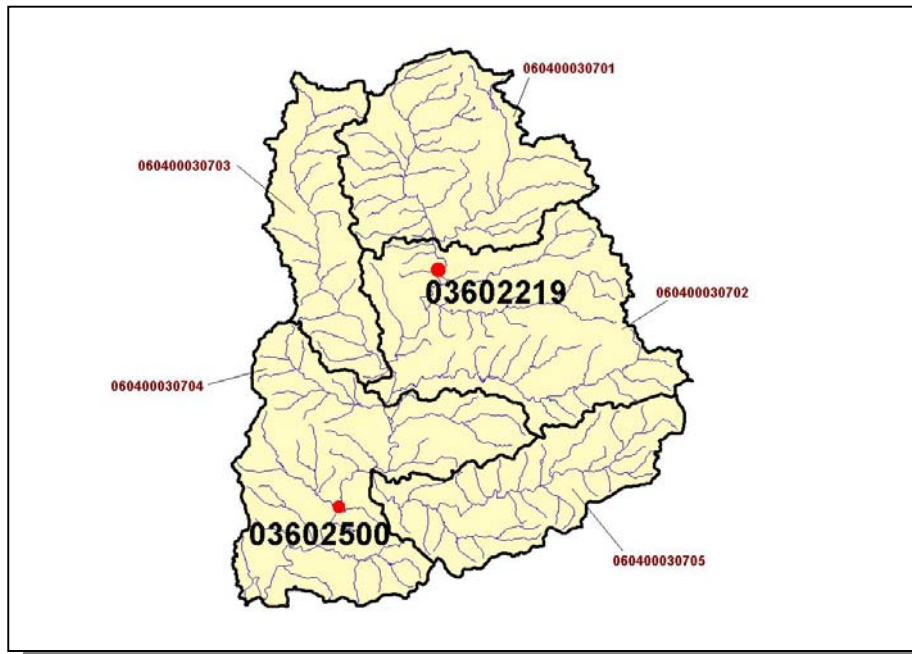


Figure 4-73. Location of Historical Streamflow Data Collection Sites in Subwatershed 0604000307. Subwatershed 060400030701, 060400030702, 060400030703, 060400030704, and 060400030705 boundaries are shown for reference. More information is provided in Appendix IV.

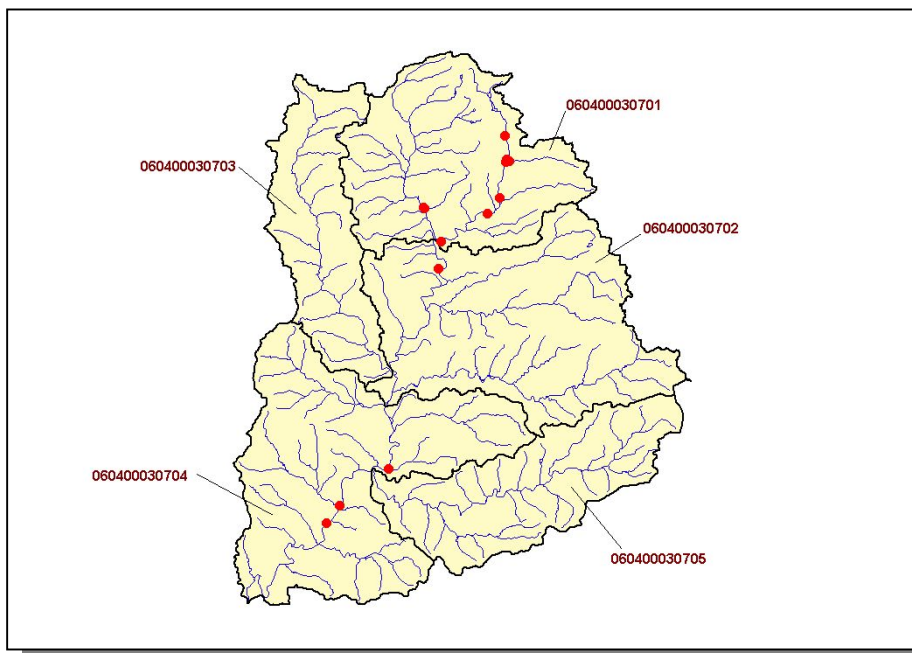


Figure 4-74. Location of STORET Monitoring Sites in Subwatershed 0604000307. Subwatershed 060400030701, 060400030702, 060400030703, 060400030704, and 060400030705 boundaries are shown for reference. More information, including site names and locations, is provided in Appendix IV.

4.2.G.ii. Point Source Contributions.

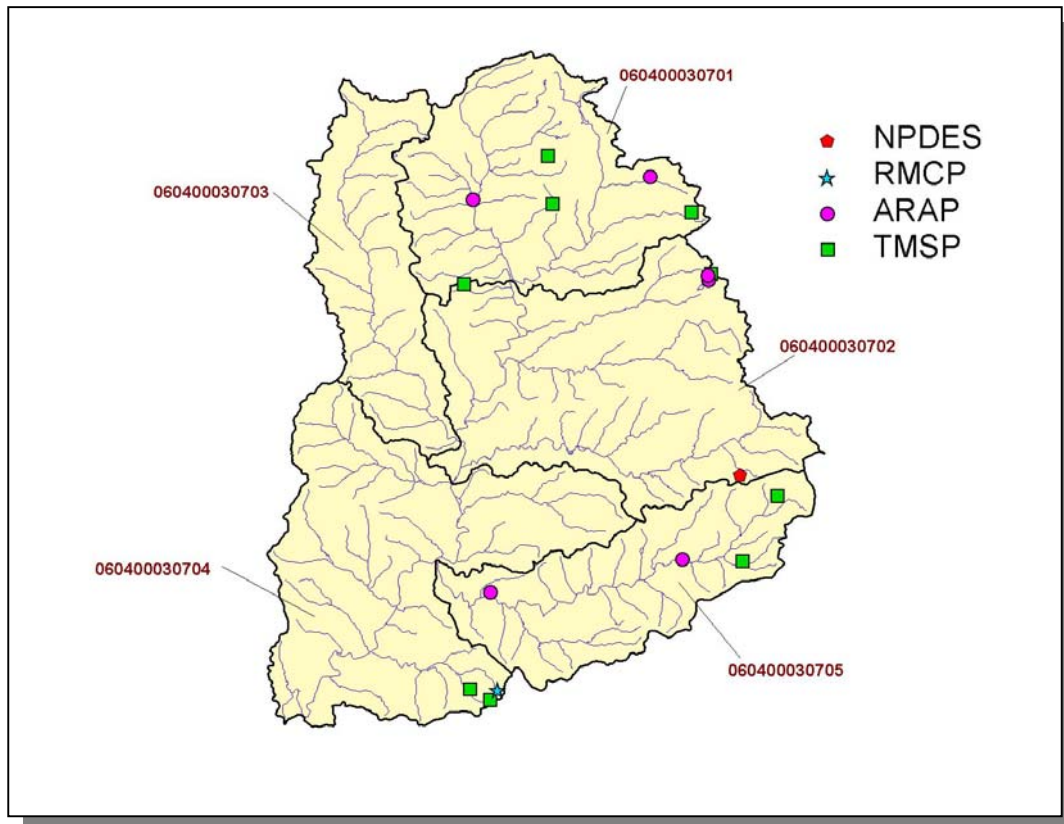


Figure 4-75. Location of Active Point Source Facilities in Subwatershed 0604000307. Subwatershed 0604000307, 0604000307, 0604000307, 0604000307, and 0604000307 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.



Figure 4-76. Location of NPDES Facilities in Subwatershed 0604000307. Subwatershed 0604000307, 0604000307, 0604000307, 0604000307, and 0604000307 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

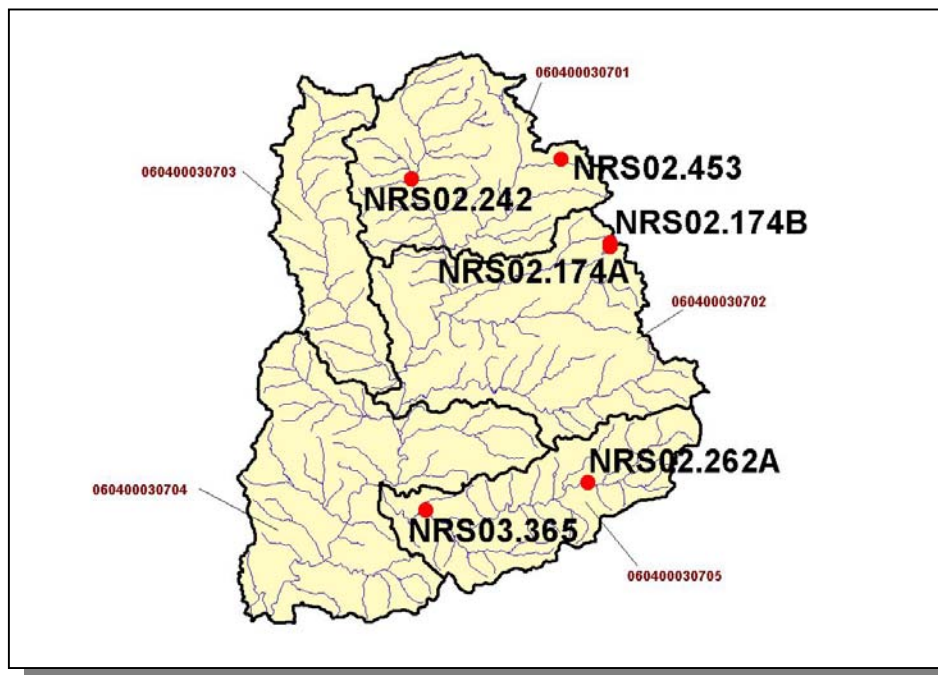


Figure 4-77. Location of Ready Mix Concrete Plants in Subwatershed 0604000307. Subwatershed 0604000307, 0604000307, 0604000307, 0604000307, and 0604000307 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

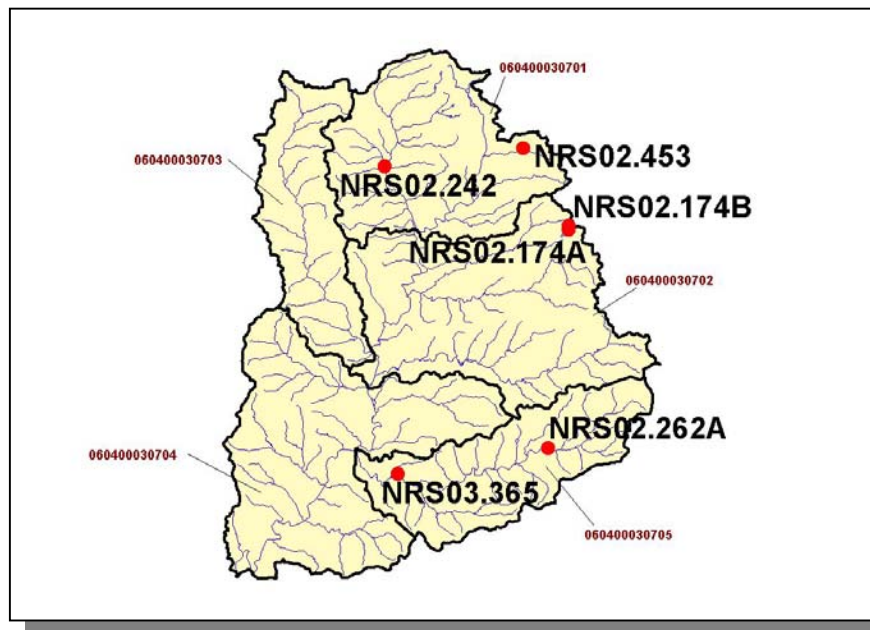


Figure 4-78. Location of ARAP Sites (Individual Permits) in Subwatershed 0604000307. Subwatershed 0604000307, 0604000307, 0604000307, 0604000307, and 0604000307 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

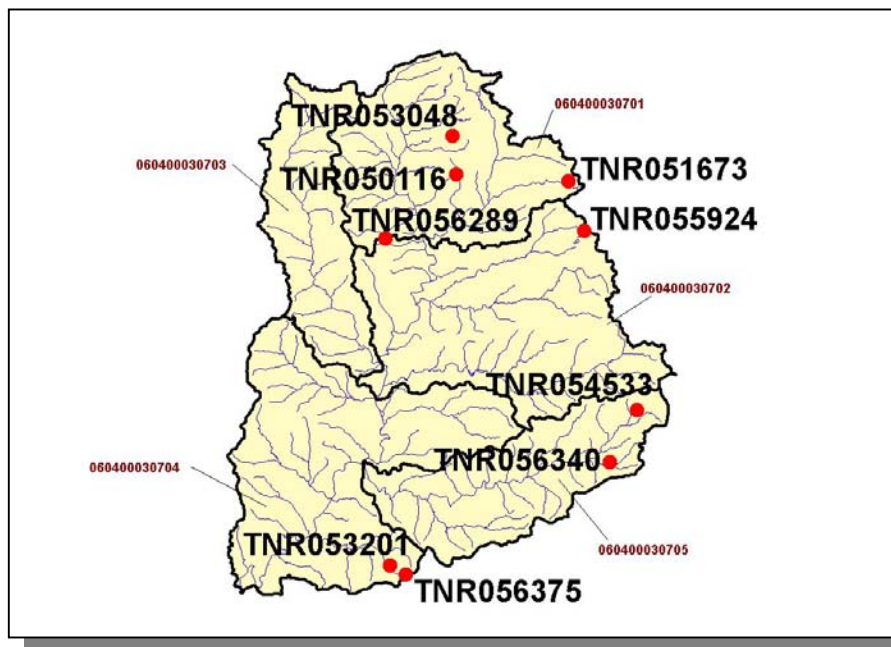


Figure 4-79. Location of TMSP Facilities in Subwatershed 0604000307. Subwatershed 0604000307, 0604000307, 0604000307, 0604000307, and 0604000307 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

4.2.G.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)						
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Chickens (Broilers Sold)	Hogs	Sheep
3,458	12,964	18	26	75	1,534	21

Table 4-41. Summary of Livestock Count Estimates in Subwatershed 0604000307.
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Dickson	174.3	174.3	1.8	7.7
Hickman	297.2	297.2	5.8	23.0
Humphreys	241.2	241.2	3.7	14.4
Totals	712.7	712.7	11.3	45.1

Table 4-42. Forest Acreage and Average Removal Rates (1987-1994) in Subwatershed 0604000307.

CROPS	TONS/ACRE/YEAR
Legume (Pastureland)	0.68
Grass (Pastureland)	1.00
Grass (Hayland)	0.25
Legumes (Hayland)	1.06
Legumes, Grass (Hayland)	0.40
Grass, Forbs, Legumes (Mixed Pasture)	0.81
Forest Land (Not Grazed)	0.00
Forest Land (Grazed)	0.00
Corn (Row Crops)	3.16
Sorgham (Row Crops)	5.80
Soybeans (Row Crops)	5.46
Tobacco (Row Crops)	7.68
Vineyard (Horticulture)	1.05
Other Vegetable and Truck Crop	7.71
Conservation Reserve Program Lands	0.51
Non-Agricultural Land Use	0.00
Other Land in Farms	0.03
Farmsteads and Ranch Headquarters	1.38

Table 4-43. Annual Estimated Total Soil Loss in Subwatershed 0604000307.